



## SHINGELTON FOREST MANAGEMENT UNIT COMPARTMENT REVIEW PRESENTATION

**COMPARTMENT # 64 ENTRY YEAR: 2004**

**Compartment Acreage: 2128      County: Schoolcraft**

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**Revision Date:** 9/24/02

**Stand Examiner:** Jennifer Burnham

**Legal Description:** T43N R14W Sections 33-36

**RMU (if applicable):**

**Management Goals:** Provide for the protection, integrated management, and responsible use of a healthy, productive, forest and mineral resource base for the social, recreational, environmental, and economic benefit of the people of the State of Michigan.

**Soil and Topography:** Soil types found in this compartment are Saugetuck sand, AuTrain loamy sand, Wallace fine sand, Carbondale peat and Greenwood peat. The sands will grow the poor quality hardwoods and the pine types. The peat soils will have the spruce and associated conifer types growing on them. There is some rolling terrain mainly near the Manistique River and Floodwood Road. The remainder of the compartment is low ground with poor drainage.

**Ownership Patterns, Development, and Land Use in and Around the Compartment:** This compartment has broken ownership of private land and some commercial private around the area.

**Unique, Natural Features (include only non-site specific and non-sensitive information):** Currently under review by Michigan Natural Features inventory.

**Archeological, Historical, and Cultural Features (include only non-site specific and non-sensitive information):** This area was logged at the turn of the century like many of the areas in the Shingleton Management Unit. There are traces of old winter roads in some of the stands.

**Special Management Designations or Considerations:** None

**Watershed and Fisheries Considerations:** Poor-to-Good. Bear Creek is classified as SQCW. Even so, we know very little about its natural trout production or angler success when fishing it. However, Cub Bear Creek is classified SQWW. There is no need to protect Cub Bear Creek from encroachment by beaver, but protection from increased sand bedload is still a high priority.

**Wildlife Habitat Considerations:** This compartment lies within the St. Ignace sub-subsection. The growing season last approximately 130 days. Extreme winter low temperature approaches  $-46^{\circ}$  F. Annual snowfall averages 100 inches.

Pre-settlement forests in the lowlands were likely dominated by cedar, tamarack, balsam fir, and black spruce. Upland forest probably contained hemlock, sugar maple, beech, yellow birch, white birch, and basswood.

Fire and windthrow were likely the major forms of natural disturbance.

This compartment contains a substantial amount of open wetlands. Current vegetation in the lowland forest is similar in species composition as would have been expected pre-settlement. On the uplands, however, has shifted more toward early successional species such as jack pine and aspen.

Wildlife habitat objectives in this compartment include maintaining closed canopy conifer stands, promoting hemlock in the uplands, and protecting the Bear Creek Stream corridor.

Gray wolves (Michigan threatened; Federal endangered) and wood turtles (Michigan special concern) are known to utilize this compartment. .

Other wildlife species of interest that may utilize this compartment include northern red belly snake, garter snake, Blackburnian warbler, saw-whet owl, fisher, and red fox.

**Mineral Resource and Development Concerns and/or Restrictions:** Surface sediments consist of peat and muck and thin to discontinuous glacial till over bedrock. There is insufficient data to determine the glacial drift thickness. The Silurian Burnt Bluff Group and Cabothead Shale subcrop below the glacial drift. The Burnt Bluff is quarried for stone. The nearest gravel pit is one-half mile to the south and there appears to be some potential in Sections 33 & 34. There is a clay pit 8 miles to the west. There is no commercial oil and gas production in the UP.

**Vehicle Access:** Access for vehicle traffic is poor unless using the Floodwood Road. There are only a couple trail roads that can be used all year. Old winter roads are of limited quantity also.

**Survey Needs:** 2 miles will be needed around the 3 blocks of private property.

**Recreational Facilities and Opportunities:** The snowmobile trail, which is maintained by Schoolcraft County Snowmobile Club, runs through the top portion of sections 33 and 34 of the compartment part of which is on a county road.

**Fire Protection:** The majority of the compartment is lowland conifers so fire danger is low. However there are scattered islands of pine which have the potential for lightening strikes were access would be very poor.

**Additional Compartment Information:**

- **The following 5 reports from the Operations Inventory System (OIPC) are attached:**
  - ◆ **Cover Type by Age Class**
  - ◆ **Cover Type by Management Objective**
  - ◆ **Compartment Volume Summary**
  - ◆ **Proposed Treatments – No Limiting Factors**
  - ◆ **Proposed Treatments – With Limiting Factors**
- **The following information is displayed, where pertinent, on the attached compartment maps:**
  - ◆ **Base feature information, stand numbers, cover types**
  - ◆ **Proposed treatments**
  - ◆ **Proposed road access system**
  - ◆ **Suggested potential old growth**

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Michigan Department of Natural Resources - Operations Inventory System  
Individual Compartment Report

LAKE SUPERIOR STATE FOREST

SHINGLETON FOREST AREA

SCHOOLCRAFT COUNTY

COMPARTMENT: 64

Table 3

(acres shown in boxes)

## STAND AGE CLASS

COVER TYPE	Not Coded	0-9	10-19	20-29	30-39	40-49	50-59	60-69	70-79	80-89	90-99	100- 109	110- 119	120- 129	130- 139	140- 149	150- 159	All Aged	Total
Aspen			57	3															60
Black Spruce						41		181		7	66								295
Cedar						41			33	199		14							287
Grass	18																		18
Hemlock																		69	69
Jack Pine				48					5										53
Lowlnd Brush	377																		377
Lowlnd Poplr										48									48
Mx Swmp Cnfr				5		18	126	19											168
Non Stocked	10																		10
Paper Birch		53							30									2	85
Red Pine																		116	116
Spruce Fir						6													6
Treed Bog	307										67								374
Upland Hdwds																		151	151
Water	11																		11
Total	723	53	57	56		106	126	200	68	254	133	14						338	2128

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Michigan Department of Natural Resources - Operations Inventory System  
Individual Compartment Report

LAKE SUPERIOR STATE FOREST

SHINGLETON FOREST AREA

SCHOOLCRAFT COUNTY

COMPARTMENT: 64

Table 3A

(acres shown in boxes)

## MANAGEMENT OBJECTIVE TYPE

COVER TYPE	A	S	V	C	G	H	J	I	L	P	N	Q	X	O	B	R	K	Y	F	E	T	D	U	M	Z	W	Total
A Aspen	60																										60
S Black Spruce		295																									295
C Cedar				287																							287
G Grass					18																						18
H Hemlock						69																					69
J Jack Pine							53																				53
L LowInd Brush									377																		377
P LowInd Poplr										48																	48
Q Mx Swmp Cnfr											168																168
X Non Stocked													10														10
B Paper Birch															85												85
R Red Pine																116											116
F Spruce Fir																			6								6
D Treed Bog																						374					374
M Upland Hdws																								151			151
Z Water																									11		11
Total	60	295		287	18	69	53		377	48		168	10		85	116			6				374		151	11	2128

LAKE SUPERIOR STATE FOREST

SHINGLETON FOREST AREA

SCHOOLCRAFT COUNTY

COMPARTMENT: **64****Table 10 - COMPARTMENT VOLUME SUMMARY - ALL STANDS**

COMPARTMENT SUMMARY			
TOTAL VOLUME		CUT VOLUME	
Hardwood	5710 Cds	Hardwood	2092 Cds
Hardwood	120 Mbf	Hardwood	12 Mbf
Softwood	9813 Cds	Softwood	1832 Cds
Softwood	600 Mbf	Softwood	214 Mbf
Sum TotVol	16963 Cds	Sum CutVol	4376 Cds
<b>Total Cmpnt Acres</b>		Acres Proposed For Cut.....	283
2128		Acres Meeting Silv Criteria.....	251
		Acres Not Meeting Silv Criteria.....	1877
Acres Unable to Determine Silv Criteria For.....			

## SHINGLETON FOREST AREA

Proposed Treatments  
With NO Limiting Factors

Compartment: 64

Entry Year: 2004

Stand	Cover Type	Acres	Age	Site Index	Mgt Obj	Condition	Method Cut	Harvest Priority	Cultural Need	FDF Status
7	P6	17	80	46	balsam poplar & swamp aspen and swamp white birch	unevenaged	final harvest	2		
comnts Fmd : Same as stand to S only there is area with a concentration of more birch and less conifer understory. Ground is low and wet.										
8	P6	31	80	46	balsam poplar & swamp aspen and swamp white birch	mature	final harvest	2		
comnts Fmd : Tried putting this up before. Some scattered White birch logs. PVT to the south may give us access. Has pockets of lower areas - not very good quality timber.										
10	M6	11		52	northern hardwood	unevenaged	thinning	2		
comnts Fmd : Treat with adjacent stands. Flat to rolling terrain. Trail road from PVT to access. Blue line is in - corner present. Scattered white birch - hemlock closer to swamp edge. Both look healthy.										
21	Q6	9	47	50	mixed swamp conifer	mature	final harvest	2		
comnts Fmd : Stand doing okay-low ground - timber patchy. Higher ground has more white birch, red maple with some scattered lg white pine. Leave a couple white pine and cedar on the higher ground.										
22	F6	6	47	50	spruce-fir (uplands-including upland black spruce)	mature	final harvest	2		
comnts Fmd : Leave some wp on higher ground.										
27	R9	57		50	red pine	unevenaged	selection	2	planting	
comnts Fmd : Didn't find the PVT line. Leave the white and red pine that are 10" DBH or less, think some in the dense areas. Snowmobile touches the E side of stand. 99=wb/aspen										
29	R9	32		50	red pine	unevenaged	selection	2	planting	stand with fdf potential
comnts Fmd : Leave the white and red pine that are 10" DBH or less, think some in the dense areas. Snowmobile touches the E side of stand. 99=wb/aspen										
32	S6	32	90	45	black spruce-swamp	mature	final harvest	2		
comnts Fmd : Maple and other hardwood species mature to over mature. Hemlock looks healthy. Scattered red pine. No cut hemlock										
34	R6	25		61	red pine	unevenaged	thinning	1	planting	stand with fdf potential
comnts Fmd : Buffer creek. Thin some of the mature white pine logs in stand. There is some aspen that should be cut out. Leave hemlock, thin to promote regeneration of all species. DO NOT CUT ASPEN SOUTH OF TRAIL ROAD.										
41	B6	11	73	46	paper birch	mature	final harvest	2		
comnts Fmd : Scattered lg dying apen. Some spruce and small clumps of red maple. Leave any white pine or cedar when cut.										
51	B6	14	70	46	paper birch	mature	final harvest	2		
comnts Fmd : Some Bam mixed in - aspen is over mature - other species are younger. Scattered maple PVT cut to the south. Blue line does not come over all the way from the E corner.										
61	Q6	9	47	50	mixed swamp conifer	mature	final harvest	2		
comnts Fmd : Stand doing okay-low ground - timber patchy. Higher ground has more white birch, red maple with some scattered lg white pine. Leave a couple white pine and cedar on the higher ground.										
63	D0	4		20	treed bog	sparse	final harvest	3		
comnts Fmd : Stand is scheduled to make the adjacent sales less complicated to prep, there are some merchantable trees around the edges.										
64	D0	3		20	treed bog	sparse	final harvest	3		
comnts Fmd : Stand is scheduled to make the adjacent sales less complicated to prep, there are some merchantable trees around the edges.										
65	D0	2		20	treed bog	sparse	final harvest	3		
comnts Fmd : Stand is scheduled to make the adjacent sales less complicated to prep, there are some merchantable trees around the edges.										

## SHINGLETON FOREST AREA

Proposed Treatments  
With NO Limiting Factors

Compartment: 64

Entry Year: 2004

Stand	Cover Type	Acres	Age	Site Index	Mgt Obj	Condition	Method Cut	Harvest Priority	Cultural Need	FDF Status
84	M6	13		60	northern hardwood	unevenaged	thinning	2		stand with fdf potential
comnts Fmd : Nice hard maple reproduction 1' tall. PVT line is in with their survey on the most western 40, no official corner. Stand is hilly terrain can not be cut unless access through hemlock stand. Sent in ancillary										
Total Acres.....		276								

SHINGLETON FOREST AREA

Proposed Treatments  
With Limiting Factors

Compartment: 64      Entry Year: 2004

Stand	Cover Type	Acres	Age	Site Index	Mgt Obj	Condition	Method Cut	Harvest Priority	Cultural Need	FDF Status
13	S6	5	78	42	black spruce-swamp	mature	final harvest	2		
TREATMENT LIMITING FACTORS:    Water quality/bmps Inadequate volume due to small acreage Road needed (resources not presently available)										
comnts Fmd :    With in the Bear Creek buffer area.										
54	S6	2	78	42	black spruce-swamp	mature	final harvest	2		
TREATMENT LIMITING FACTORS:    Water quality/bmps Inadequate volume due to small acreage Road needed (resources not presently available)										
comnts Fmd :    With in the Bear Creek buffer area.										
Total Acres.....		7								



COMPARTMENT 64  
T43N R14W SEC. 33,34,35 & 36  
COUNTY: SCHOOLCRAFT  
UNIT: SHINGLETON  
FOREST: LAKE SUPERIOR  
YOE: 2004  
ACRES: 2128  
MAP REVISED: 10/29/2002  
STAND EXAMINER: JENNIFER BURNHAM  
SCALE: 1:24000

### Legend

#### Harvest Types

- No Harvest
- Final Harvest
- Seed Tree
- Shelterwood-Seed
- Thinning
- Removal
- Delayed Removal
- Shelterwood - Prep
- Selection

#### Stands with Factor Limitations

#### Potential Old Growth

Snowmobile Trails

#### Roads

- County Road
- State/Federal Hwy
- Street
- Two-Track
- Abandoned Road

